

Transmission

Linux Audio goes mobile

Free Ekanayaka and Daniel James

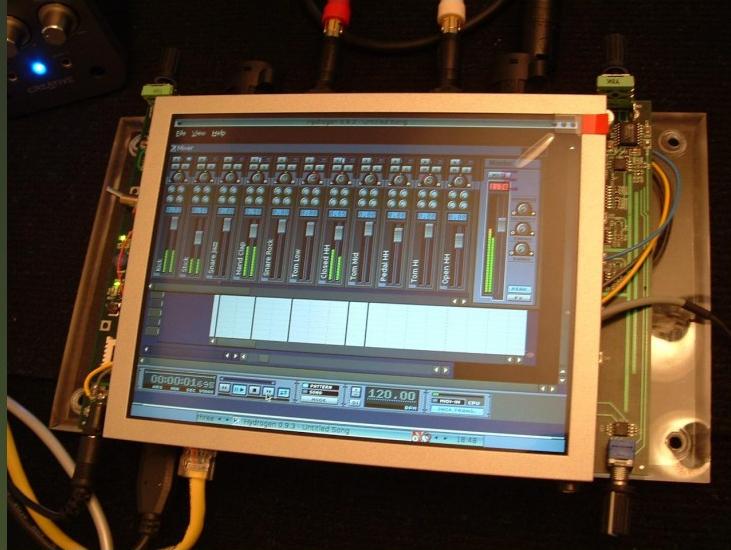
featuring Emilio Grilli

64 Studio Ltd.

What's Transmission

- A custom GNU/Linux distribution designed for real-time audio production on mobile computing platforms
- Based on 64 Studio 3.0 (Ubuntu/hardy)
- Supports Intel 'Ultra Mobile PC' (UMPC) devices (e.g. Samsung Q1 Ultra)
- Supports Intel Atom devices (e.g. Sylvania G)
- Developed on behalf of Trinity Audio Group by 64 Studio Ltd

At the origin it was Trinity



- It was very portable, easy to use and with a long battery life
- Sporting first-class audio quality without requiring extra boxes and cables
- Cool, isn't it? Yeah.. just too much expensive to produce :(

Debian and Fluxbox

- Design a custom GUI for the thumb-powered hardware
- Save every possible bogomip of the CPU's power for audio work
- Fluxbox was familiar to us, stable, and with extremely light demands on system resources

Let's go Indamixx



- Ultra-low-voltage Celeron CPU clocked at 900MHz
- Up to 2GB RAM and 40GB storage
- Seven inch wide-format touchscreen with 1024x600 pixels
- On-board sound is provided by an Intel HDA chipset

Ubuntu and Gnome

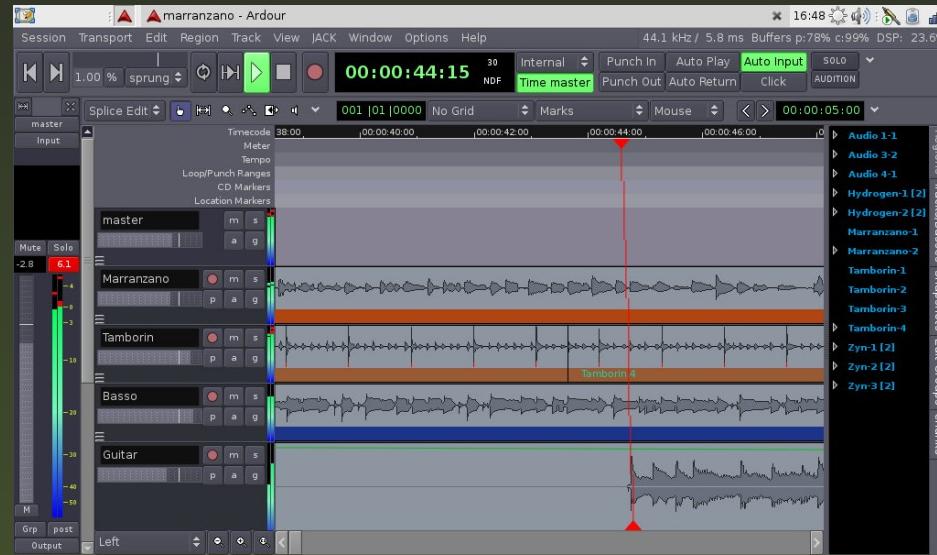


- Fully automated installation
- Customised GUI based on the Netbook Remix project
- Only one user, 'trinity', set to auto-login at the boot
- Handy key-bindings to move around
- Brightness applet helps to save power

Applications

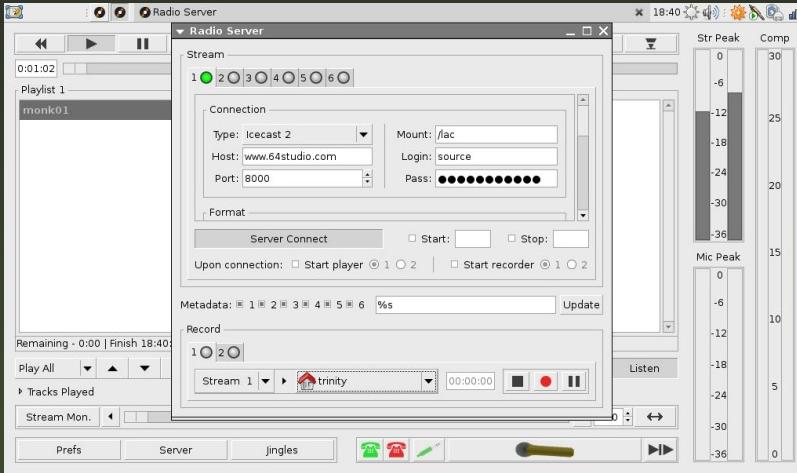
- The jackdmp server runs by default on and gets restarted automatically in case it fails or is quit by mistake
- Ardour and Audacity to record, edit and mix
- ZynAddSubFX, ALSA Modular Synth and Hydrogen
- Seq24 and Energy XT (proprietary)
- Idjc and Mixxx
- Selection of sampled and synthesised drum kits

Ardourino



- Slightly modified Ardour GUI
- Only the most frequently used controls are visible
- The window fits a 1024x600 display
- ArdourXchange allows to import ProTools sessions

Mobility



- Support for Wifi and popular mobile broadband providers
- Easy network selection with Gnome's nm-applet
- Can stream to icecast servers with IDJC
- File exchange via SSH, FTP or Samb
- Skype can connect to jack

References

- Trinity homepage
<http://www.trinityaudiogroup.com/>
- Indamixx website
<http://www.indamixx.com/>
- Transmission development site
<http://trac.64studio.com/trinity/>